



MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1996, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO  
**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

5

**Complete if Known**

Application Number	10/658,849
Filing Date	09/10/2003
First Named Inventor	Noriyuki UMEZAWA
Group Art Unit	2852
Examiner Name	Unassigned <i>Grainger</i>
Attorney Docket Number	047373-0148

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
<i>86</i>	A1	D356,813		ICHIKAWA ET AL.	03/28/1995	
	A2	D403,348		MATSUOKA ET AL.	12/29/1998	
	A3	D406,162		TATSUMI	02/23/1999	
	A4	D430,197		WANG ET AL.	08/29/2000	
	A5	D431,595		WANG ET AL.	10/03/2000	
	A6	D436,121	S	WANG ET AL.	01/09/2001	
	A7	D437,346	S	WANG ET AL.	02/06/2001	
	A8	D437,347	S	WANG ET AL.	02/06/2001	
	A9	D447,167	S	TANIYAMA	08/28/2001	
	A10	D458,301	S	WANG ET AL.	06/04/2002	
	A11	D458,302	S	WANG ET AL.	06/04/2002	
	A12	D458,960	S	WANG ET AL.	06/18/2002	
	A13	D458,961	S	WANG ET AL.	06/18/2002	
	A14	D458,962	S	WANG ET AL.	06/18/2002	
<i>86</i>	A15	3,581,949		CONRAD ET AL.	06/01/1971	
	A16	3,669,072		REYNOLDS ET AL.	06/13/1972	
	A17	3,721,360		COLLIE	03/20/1973	
	A18	4,060,105		FELDEISEN ET AL.	11/29/1977	
	A19	4,436,414		KAMIYAMA ET AL.	03/13/1984	
	A20	4,740,808		KASSAMURA ET AL.	04/26/1988	
	A21	4,878,603		IKESUE ET AL.	11/07/1989	
	A22	4,961,088		GILLILAND ET AL.	10/02/1990	
	A23	4,963,939		KURANDO ET AL.	10/16/1990	
	A24	4,978,995		TAKAHASHI	12/18/1990	
	A25	5,088,144		SCHNEIDER	02/18/1992	
	A26	5,208,637		LANDA	05/04/1993	
	A27	5,296,900		SAIJO ET AL.	03/22/1994	
	A28	5,319,426		BARUCH ET AL.	06/07/1994	
<i>86</i>	A29	5,331,381		OTA ET AL.	07/19/1994	
	A30	5,441,177		YANAGISAWA	08/15/1995	
	A31	5,455,662		ICHIKAWA ET AL.	10/03/1995	
	A32	5,475,469		OKADA ET AL.	12/12/1995	
	A33	5,500,719		ICHIKAWA ET AL.	03/19/1996	
	A34	5,528,349		SATAKE	06/18/1996	
	A35	5,534,988		GERBASI	07/09/1996	
	A36	5,541,715		KATOH ET AL.	07/30/1996	
	A37	5,557,381		SAKAMOTO ET AL.	09/17/1996	
	A38	5,585,899		PALUMBO ET AL.	12/17/1996	

Examiner Signature

Date Considered

2-20-2007

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>			<b>Complete if Known</b>		
(use as many sheets as necessary)			Application Number	10/658,849	
			Filing Date	09/10/2003	
			First Named Inventor	Noriyuki Umezawa	
			Group Art Unit	2852	
			Examiner Name	<del>Unassigned</del> <i>Grainger</i>	
Sheet	2	of	5	Attorney Docket Number	047373-0148

U.S. PATENT DOCUMENTS					
U.S. Patent Document					
<input checked="" type="checkbox"/>	A39	5,589,915		HASHIMOTO	12/31/1996
<input checked="" type="checkbox"/>	A40	5,627,631		ICHIKAWA ET AL.	05/06/1997
<input checked="" type="checkbox"/>	A41	5,737,668		JOHROKU	04/07/1998
<input checked="" type="checkbox"/>	A42	5,761,566		SUZUKI ET AL.	06/02/1998
<input checked="" type="checkbox"/>	A43	5,774,772		KAI ET AL.	06/30/1998
<input checked="" type="checkbox"/>	A44	5,774,773		OTSUKA ET AL.	06/30/1998
<input checked="" type="checkbox"/>	A45	5,794,108		YOSHIZAWA ET AL.	08/11/1998
<input checked="" type="checkbox"/>	A46	5,812,915		FARKASH	09/22/1998
<input checked="" type="checkbox"/>	A47	5,857,129		HARRIS	01/1999
<input checked="" type="checkbox"/>	A48	5,867,757		OKAZAKI ET AL.	02/02/1999
<input checked="" type="checkbox"/>	A49	5,890,040		MATSUOKA ET AL.	03/30/1999
<input checked="" type="checkbox"/>	A50	5,907,756		SHIROTA ET AL.	05/25/1999
<input checked="" type="checkbox"/>	A51	5,908,124		KLAUKE ET AL.	06/01/1999
<input checked="" type="checkbox"/>	A52	5,909,610		YOSHIKI ET AL.	06/01/1999
<input checked="" type="checkbox"/>	A53	5,918,090		ICHIKAWA ET AL.	06/29/1999
<input checked="" type="checkbox"/>	A54	5,918,095		HUANG	06/29/1999
<input checked="" type="checkbox"/>	A55	5,966,574		UI ET AL.	10/12/1999
<input checked="" type="checkbox"/>	A56	5,970,273		ZENK ET AL.	10/19/1999
<input checked="" type="checkbox"/>	A57	5,970,290		YOSHIKI ET AL.	10/19/1999
<input checked="" type="checkbox"/>	A58	5,970,291		MILLER	10/19/1999
<input checked="" type="checkbox"/>	A59	5,970,293		HUANG	10/19/1999
<input checked="" type="checkbox"/>	A60	5,983,059		OKA ET AL.	11/09/1999
<input checked="" type="checkbox"/>	A61	5,991,584		MEYER ET AL.	11/23/1999
<input checked="" type="checkbox"/>	A62	5,999,759		PALUMBO ET AL.	12/07/1999
<input checked="" type="checkbox"/>	A63	6,019,461		YOSHIMURA ET AL.	02/01/2000
<input checked="" type="checkbox"/>	A64	6,032,010		KIM ET AL.	02/29/2000
<input checked="" type="checkbox"/>	A65	6,032,013		NIIZAWA	02/29/2000
<input checked="" type="checkbox"/>	A66	6,038,422		LOEWEL	03/14/2000
<input checked="" type="checkbox"/>	A67	6,064,846		WANG ET AL.	05/16/2000
<input checked="" type="checkbox"/>	A68	6,067,423		SMITH ET AL.	05/23/2000
<input checked="" type="checkbox"/>	A69	6,067,432		HUANG	05/23/2000
<input checked="" type="checkbox"/>	A70	6,075,963		ICHIKAWA ET AL.	06/13/2000
<input checked="" type="checkbox"/>	A71	6,091,920		KITA ET AL.	07/18/2000
<input checked="" type="checkbox"/>	A72	6,097,903		YAHATA ET AL.	08/01/2000
<input checked="" type="checkbox"/>	A73	6,104,902		MEYER ET AL.	08/15/2002
<input checked="" type="checkbox"/>	A74	6,118,951		KATO ET AL.	09/12/2000
<input checked="" type="checkbox"/>	A75	6,128,453		BAN ET AL.	10/03/2000
<input checked="" type="checkbox"/>	A76	6,134,411		MEYER ET AL.	10/17/2000
<input checked="" type="checkbox"/>	A77	6,137,972		PLAYFAIR ET AL.	10/24/2000
<input checked="" type="checkbox"/>	A78	6,151,459		HASHIMOTO ET AL.	11/21/2000
<input checked="" type="checkbox"/>	A79	6,188,859	B1	WANG ET AL.	02/13/2001

Examiner Signature		Date Considered	2-20-2007
--------------------	---	-----------------	-----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO  
**INFORMATION DISCLOSURE  
 STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

3

of

5

**Complete if Known**

Application Number	10/658,849
Filing Date	09/10/2003
First Named Inventor	Noriyuki Umezawa
Group Art Unit	2852
Examiner Name	Unassigned <i>Granger</i>
Attorney Docket Number	047373-0148

**U.S. PATENT DOCUMENTS**

U.S. Patent Document					
<i>A-5</i>	A80	6,229,976	B1	KIMURA	05/08/2001
	A81	6,229,977	B1	WANG ET AL.	05/08/2001
	A82	6,233,421	B1	WANG ET AL.	05/15/2001.0
	A83	6,240,262	B1	TANIYAMA ET AL.	05/29/2001
	A84	6,256,469	B1	TANIYAMA ET AL.	07/03/2001
	A85	6,256,470	B1	TANIYAMA ET AL.	07/03/2001
	A86	6,259,877	B1	TANIYAMA ET AL.	07/10/2001
	A87	6,289,182	B1	UMEZAWA ET AL.	09/11/2001
	A88	D473,588	S	JUI-CHI ET AL.	04/22/2003
	A89	6,308,017	B1	TANIYAMA ET AL.	10/23/2001
	A90	6,308,036	B1	TANIYAMA ET AL.	10/23/2001
	A91	6,334,037	B1	ISE	12/25/2001
	A92	6,343,883	B1	TADA ET AL.	02/05/2002
	A93	6,347,195	B1	SAIKI ET AL.	02/12/2002
	A94	6,405,011	B1	WANG ET AL.	06/11/2002
	A95	6,477,335	B1	SURYA ET AL.	11/05/2002
<i>A-5</i>	A96	6,505,006	B1	SOLANKI ET AL.	01/07/2003
<i>A-5</i>	A97	6,542,709	B1	WANG ET AL.	04/01/2003

**COPENDING U.S. REISSUE APPLICATIONS**

	Application Serial No.	Applicant	Filing Date
<i>A-5</i>	A98 10/745,476	ISE	12/24/2003
<i>A-5</i>	A98.1 10/691,436	TANIYAMA ET AL.	10/22/2003

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
<i>A-5</i>	A99	JP	1-255875		RICOH CO. LTD.	10/12/1989		ABS.
<i>A-5</i>	A100	JP	3-153271		OKI ELECTRIC IND. CO. LTD.	07/01/1991		ABS.
<i>A-5</i>	A101	JP	4-1682		NEC CORP.	01/07/1992		ABS.

Examiner Signature

Date Considered

2-20-2007

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Complete if Known</b>		
(use as many sheets as necessary)				Application Number		10/658,849
				Filing Date		09/10/2003
				First Named Inventor		Noriyuki Umezawa
				Group Art Unit		2852
				Examiner Name		Unassigned <i>Granger</i>
Sheet	4	of	5	Attorney Docket Number		047373-0148

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
8-6	A102	JP	4-477		MATSUSHITA ELECTRIC IND. CO. LTD.	01/06/1992		ABS.
	A103	JP	4-60669		KYOCERA CORP.	02/26/1992		ABS.
	A104	JP	4-62564		TOSHIBA CORP.	02/27/1992		ABS.
	A105	JP	5-224479		TOSHIBA CORP.	09/03/1993		ABS.
	A106	JP	5-333749		RICOH CO. LTD.	12/17/1993		ABS.
	A107	JP	6-149047		FUJI XEROX CO. LTD.	05/27/1994		ABS.
	A108	JP	6-149048		FUJI XEROX CO. LTD.	05/27/1994		ABS.
	A109	JP	6-149051		RICOH CO. LTD.	05/27/1994		ABS.
	A110	JP	6-149061		HITACHI METALS LTD.	05/27/1994		ABS.
	A111	JP	6-266227		RICOH CO. LTD.	09/22/1994		ABS.
	A112	JP	6-316060		RISO KAGAKU CORP.	11/15/1994		ABS.
	A113	JP	6-35320		RICOH CO. LTD.	02/10/1994		ABS.
	A114	JP	7-181788		RICOH CO. LTD.	07/21/1995		ABS.
	A115	JP	7-191539		RICOH CO. LTD.	07/28/1995		ABS.
	A116	JP	7-199574		RICOH CO. LTD.	08/04/1995		ABS.
	A117	JP	7-199618		MINOLTA CO. LTD.	08/04/1995		ABS.
	A118	JP	7-20703		RICOH CO. LTD.	01/24/1995		TRANS.
	A119	JP	8-137364		RICOH CO. LTD.	05/31/1996		ABS.
	A120	JP	9-185311		BROTHER IND. LTD.	07/15/1997		ABS.
	A121	JP	9-211947		KONICA CORP.	08/15/1997		ABS.
	A122	JP	9-211977		RICOH CO. LTD.	08/15/1997		ABS.
	A123	JP	9-244369		MATSUSHITA ELECTRIC IND. CO. LTD.	09/19/1997		ABS.
	A124	JP	9-90727		RICOH CO. LTD.	04/04/1997		ABS.
	A125	JP	10-171231		RICOH CO. LTD.	06/26/1998		ABS.
	A126	DE	298 13 603 (U1)		GENERAL PLASTIC INDUSTRIAL CO., LTD.	12/24/1998		
	A127	DE	299 06 174 (U1)		GENERAL PLASTIC INDUSTRIAL CO., LTD.	08/05/1999		
	A128	DE	299 14 516 (U1)		GENERAL PLASTIC INDUSTRIAL CO., LTD.	01/13/2000		
	A129	JP	10-20642		RICOH CO. LTD.	01/23/1998		ABS.
	A130	JP	10-213957		KONICA CORP.	08/11/1998		ABS.
	A131	JP	10-260574		KONICA CORP.	09/29/1998		ABS.
	A132	JP	10-319705		RICOH CO. LTD.	12/04/1998		ABS.
	A133	JP	10-48936		MINOLTA CO. LTD.	02/20/1998		ABS.
	A134	JP	11-184232		KONICA CORP.	07/09/1999		ABS.

Examiner Signature	Date Considered	2-20-2007
--------------------	-----------------	-----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Complete if Known</b>		
(use as many sheets as necessary)				Application Number		10/658,849
				Filing Date		09/10/2003
				First Named Inventor		Noriyuki Umezawa
				Group Art Unit		2852
				Examiner Name		Unassigned <i>Granger</i>
Sheet	5	of	5	Attorney Docket Number		047373-0148

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
8-6	A135	JP	11-327272		SHARP CORP.	11/26/1999		ABS.
	A136	JP	11-338210		CANON INC.	12/10/1999		ABS.
	A137	JP	11-65252		RICOH CO. LTD.	03/05/1999		ABS.
	A138	JP	11-65390		RICOH CO. LTD.	03/05/1999		ABS.
	A139	JP	60-101571		CANNON KK	06/05/1985		ABS.
	A140	JP	60-153066		RICOH KK	08/12/1985		ABS.
	A141	JP	61-215575		TOSHIBA CORP.	09/25/1986		ABS.
	A142	JP	61-99176		TOSHIBA CORP.	05/17/1986		ABS.
	A143	JP	62-173482		RICOH CO. LTD.	07/30/1987		ABS.
	A144	JP	63-224986		TRIUMPH ADLER AG	09/20/1988		ABS.
	A145	JP	63-75769		MATSUSHITA ELECTRIC IND. CO.	04/06/1988		ABS.
	A146	JP	63-82493		MITA IND. CO. LTD.	04/13/1988		ABS.
	A147	JP	63-94267		MINOLTA CAMERA CO. LTD.	04/25/1988		ABS.
	A148	JP	2000-19828		FUJI XEROX CO. LTD.	01/21/2000		ABS.
	A149	JP	2000-221866		OKI DATA CORP.	08/11/2000		ABS.
	A150	JP	2000-321860		RICOH CO. LTD.	11/24/2000		ABS.
	A151	JP	2000-347503		NEC CORP.	12/15/2000		ABS.
	A152	JP	2000-47466		MINOLTA CO., LTD.	02/18/2000		TRANS
	A153	JP	2001-117458		COPYER CO. LTD.	04/27/2001		ABS.
	A154	JP	2001-175080		SHARP CORP.	06/29/2001		ABS.
	A155	DE	202 06 622 (U1)		GENERAL PLASTIC INDUSTRIAL CO., LTD.	10/17/2002		
	A156	JP	3-2369 (U)			01/10/1991		
	A157	JP	5-40112 (U)			05/28/1993		
	A158	JP	5-81855 (U)			11/05/1993		
	A159	JP	56-66959 (U)			06/04/1981		
	A160	JP	63-122939			05/26/1988		
	A161	JP	62-89672(U)		CASIO	05/08/1987		
	A162	CN	01200796.X			12/12/2001		
A163	TW	431308			05/02/2000			
A164	TW	450900			06/20/1998			
A165	TW	467298			01/06/2000			
A166	TW	472898			03/02/2000			
A167	DE	201 01 041 (U1)		GENERAL PLASTIC INDUSTRIAL CO., LTD.	06/07/2001			
8-6	A168	DE	201 10 369 (U1)		GENERAL PLASTIC INDUSTRIAL CO., LTD.	10/31/2001		

Examiner Signature <i>[Signature]</i>	Date Considered	2-20-2007
---------------------------------------	-----------------	-----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number Filing Date First Named Inventor Group Art Unit Examiner Name Attorney Docket Number	10/658,849 09/10/2003 Noriyuki UMEZAWA 2852 Not Yet Assigned 047373-0148
Sheet	1	of	1

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
26	B1	JP	2-16366	Y		05/07/1990		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>

Examiner Signature	Date Considered	2-20-2007
--------------------	-----------------	-----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.